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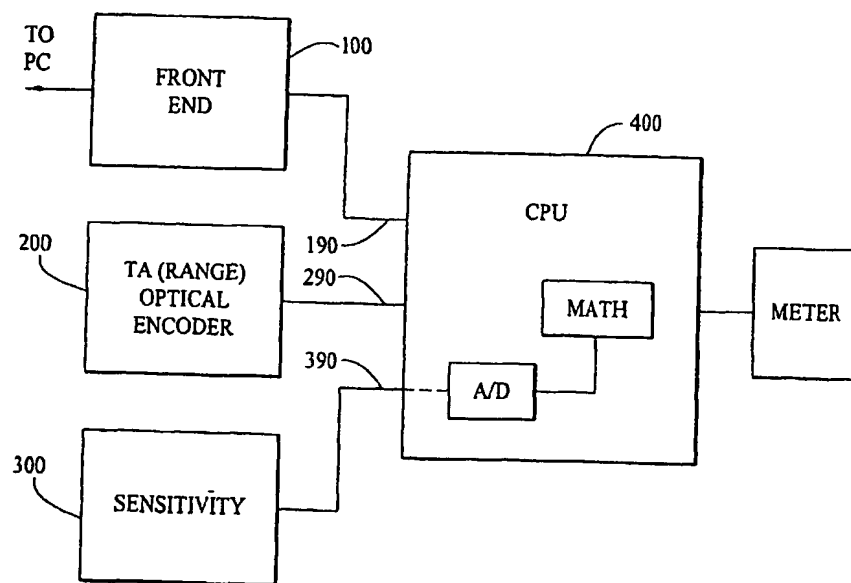
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(54) Title: SYSTEM FOR MEASURING CHANGES IN LIVING BODY RESISTANCE



(57) Abstract: A device (10) for measuring and indicating small variations in the resistance of a living body utilizes a central processing unit (400) to digitally process sensed body resistances and drive a resistance-indicating display (16) while compensating for the effects of component aging, component tolerances and component temperatures. The device (10) includes an automatic calibration circuit that is automatically activated on each powering up of the device to measure and store measurement values for a plurality of synthesized body resistances that are used to form a compensation model against which sensed body resistances are subsequently compared for automatic adjustment of display driving measurement values.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/06084

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 5/05

US CL : 600/547

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 600/547; 324/691, 692, 712

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X,P | US 6,631,292 B1 (LIEDTKE) 07 October 2003, see entire document. | 1 |
| A | US 6,011,992 A (HUBBARD et al) 04 January 2000, see entire document. | 1-10 |
| A | US 4,578,635 A (MEE et al) 25 March 1986, see entire document. | 1-10 |
| A | US 3,290,589 A (HUBBARD) 06 December 1966, see entire document. | 1-10 |

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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INTERNATIONAL SEARCH REPORT

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Continuation of Item 4 of the first sheet:

The title is too long under PCT Rule 4.3. NEW TITLE:

SYSTEM FOR MEASURING CHANGES IN LIVING BODY RESISTANCE

Continuation of B. FIELDS SEARCHED Item 3:

EAST

search terms: body, resistance, display, amplifier, processing, age, tolerance, temperature, simulating, tables, interpolate, optical encoder